IN THE CLAIMS

Please amend the claims as follows.

1. (Original)   A method of testing a digital mobile phone network, the network comprising:

a communications network infrastructure, the infrastructure having a plurality of elements, including a plurality of radio communications base stations, and having interfaces between said elements; and

a plurality of mobile communications devices for radio communications with said base stations;

communications between a said mobile communications devices and said base stations, and signals on interfaces within the network infrastructure, comprising traffic and signalling data; the method comprising:

creating test traffic between a test one of said mobile communications devices and said communications network infrastructure;

measuring at least one parameter associated with said traffic to provide measurement data;

coding said measurement data representing said measured parameter into said test traffic;

demultiplexing traffic and associated signalling data for said test mobile communications device from traffic and signalling data for others of said mobile communications devices on a test interface selected from said infrastructure element interfaces;

decoding said measurement data from said demultiplexed traffic for said test mobile communications device; and

combining said decoded measurement data and said demultiplexed signalling data for said test mobile communications device to determine a response of said digital mobile phone network to said test traffic.

2. (Original)   A method as claimed in claim 1 further comprising:

interleaving said measurement data with said test traffic.